**FORM PTO-1449** 

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. GFB-7 DIV

SERIAL NO. 09/8 10/71 Not yet assigned.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT Jens Kossmann et al.

FILING DATE 5/8/0\
Concurrently herewith

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**U.S. PATENT DOCUMENTS** 

4,454,16 6,001,62		12/84	Okada et al.	426		
1 6 001 63			Ondad of di.	426	48	<u> </u>
0,001,62	28 12	2/14/99	Kossmann et al.	435	210	To
6,057,49	3 5/	2/00	Willmitzer et al.	800	284	
6,066,78	32 5/	23/00	Kossmann et al.	800	284	503
	5 9/	12/00	Kossmann et al.	435	210	2 / 8 / 

## FOREIGN PATENT DOCUMENTS

EXAMINER	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
INITIAL	NUMBER					YES	NO
_DY	EP 0 479 359 A1	4/8/92	Europe				
	EP 0 529 894 A1	3/3/93	Europe				
	EP 0 554 122 A1	8/4/93	Europe				
	WO 92/11376	7/9/92	PCT				
	WO 92/11382	7/9/92	PCT				
	WO 92/14827	9/3/92	PCT				
	WO 95/04826	2/16/95	PCT				
	WO 95/09922	4/13/95	PCT				
	WO 96/03513	2/8/96	PCT				
	WO 96/19581	6/27/96	PCT				
<u> 4</u>	AU-B-19028/95	10/17/95	Australia				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
DIF	Black, R.C. et al, "Genetic Interactions Affecting Maize Phytoglycogen and the Phytoglycogen-Forming Branching Enzymes," Genetics, 53, pp. 661-668 (1966).
	Hawker, J.S. et al., "Interaction of Spinach Leaf Adenosine Diphosphate Glucose $\alpha$ -1,4-Glucan $\alpha$ -4-Glucosyl Transferase and $\alpha$ -1,4-Glucan, $\alpha$ -1,4-Glucan-6-Glycosyl Transferase in Synthesis of Branched $\alpha$ -Glucan," Archives of Biochemistry and Biophysics, 160, pp. 530-551 (1974).
$\bot$	Doehlert, D.C. et al., "Two Classes of Starch Debranching Enzymes From Developing Maize Kernels," J. Plant Physiol., 138, pp. 566-572 (1991).

**EXAMINER** 

DATE CONSIDERED

1/2/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.



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## U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

ATTY. DOCKET NO. GFB-7 DIV

SERIAL NO. 59/850/9/

**APPLICANT** 

Jens Kossmann et al.

FILING DATE 5/8/a1

GROUP 1638 Not yet assigned

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	OTTIER DOCUMENTO (moldaing Author, Title, Date, Fertifiert Pages, Etc.)
200	Hannah, L.C. et al., "Biotechnological Modification of Carbohydrates for Sweet Corn and Maize Improvement," Scientia Horticulturae, 55, pp. 177-197 (1993).
*/	Hobson, P.N. et al., "The Enzymic Synthesis and Degradation of Starch - Part XIV - R-Enzyme," Journal of the Chemical Society, pp. 1451-1459 (1951).
	Ishizaki, Y. et al., "Debranching Enzymes of Potato Tubers ( <i>Solanum tuberosum</i> L.). I. Purification and Some Properties of Potato Isoamylase," <u>Agric. Biol. Chem.</u> , 47, pp.771-779 (1983).
	James, M.G. et al., "Characterization of the Maize Gene Sugary1, a Determinant of Starch Composition in Kernels," The Plant Cell, 7, pp. 417-429 (1995).
	Katsuragi, N. et al., "Entire Nucleotide Sequence of the Pullulanase Gene of Klebsiella aerogenes W70," Journal of Bacteriology, 169, pp. 2301-2306 (1987).
	Kossmann et al., "Transgenic Plants as a Tool to Understand Starch Biosynthesis," <u>Progress Biotechnol.</u> , 10, pp. 271-278 (1995).
	Li, B. et al., "Characterization and Subcellular Localization of Debranching Enzyme and Endoamylase from Leaves of Sugar Beet," Plant Physiology, 98, pp. 1277-1284 (1992).
	Ludwig, I. et al., "Purification and Properties of Spinach Leaf Debranching Enzyme," Plant Physiology, 74, pp. 856-861 (1984).
	Manners, D.J. et al., "Studies on Carbohydrate-Metabolising Enzymes: Part XX Sweet-Corn Debranching Enzymes," Carbohyd. Res., 9, pp. 107-121 (1969).
	Nakamura, Y. et al., "Rice mRNA for Starch Debranching Enzyme (R-Enzyme), Complete cds," EMBL Sequence Database, Acc. No. D50602, Release 43 (1995).
	Pan, D. et al., "A Debranching Enzyme Deficiency in Endosperms of the Sugary-1 Mutants of Maize," Plant Physiol., 74, pp. 324-328 (1984).
	Renz, A. et al., "S. oleracea L. mRNA for Pullulanase," EMBL Sequence Database, Acc. No. X83969, Release 42 (1995).
	Schaller, A., "The Electronic Plant Gene Register," Plant Physiology, 108, pp. 1341-1343 (1995).
	Shannon, J.C. et al., "Genetics and Physiology of Starch Development," <u>Starch: Chemistry and Technology</u> , 2d Ed., Academic Press, pp. 25-86 (1984).
	Shen, B. et al., "6c06d08-t7 Etiolated Seedling <i>Zea mays</i> cDNA Clone 6c06d08 5' End," EMBL Sequence Database, Acc. No. T15335, Release 38 (1994).
$\underline{\hspace{1cm}}$	Visser, R.G.F. et al., "Inhibition of the expression of the gene for granule-bound starch synthase in potato by antisense constructs," Mol. Gen. Genet., 225, pp. 289-296 (1991).

EXAMINER

DATE CONSIDERED

1/2/03